



SAFETY DATA SHEET

Grout & Tile Protector 600ml Aerosol LTP/15

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME LTP – Grout & Tile Protector 600ml Aerosol
PRODUCT NO. 15
SUPPLIER Lionheart Terracotta Products
 Tone Industrial Estate
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 Wellington
 Somerset
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2. HAZARDS IDENTIFICATION

Extremely flammable. Irritating to skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

CLASSIFICATION 1999/45 Xi;R38. F+;R12. N;R50/53. R67.

PHYSICAL AND CHEMICAL HAZARDS

Pressurised container: Must not be exposed for temperatures above 50°C. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS-No.	Content	Classification
1,2,4- TRIMETHYLBENZENE	202-436-9	95-63-6	< 1%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
BUTYL ACETATE -norm	204-658-1	123-86-4	5-10%	R10 R66 R67
CUMENE	202-704-5	98-82-8	< 1%	R10 Xn R65 Xi;R37 N;R51/53
HEPTANE	205-563-8	142-82-5	10-30%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
ISOBUTANE	200-857-2	75-28-5	1-5%	F+;R12
NAPHTHA (PETROLEUM) HYDROTREATED LIGHT	265-151-9	64742-49-0	30-60%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
NAPHTHA (PETROLEUM) HYDRODESULFURIZED HEAVY	265-185-4	64742-82-1	< 1%	Xn;R65. R10,R66,R67.
PROPANE	200-827-9	74-98-6	5-10%	F+;R12
XYLENE	215-535-7	1330-20-7	<1%	R10 Xn; R20/21 XiR38

The Full Text for all R-Phrases are Displayed in Section 16

4. FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once.

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention.

SKIN CONTACT

Wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

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5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to reduce vapours. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

UNUSUAL FIRE & EXPLOSION HAZARDS

Extremely flammable. Forms explosive mixtures with air. May explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

SPECIFIC HAZARDS

Pressurised container: Must not be exposed for temperatures above 50 °C.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray mists. Do not spray on a naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

STORAGE PRECAUTIONS

Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
1,2,4TRIMETHYLBENZENE		25 ppm 125 mg/m3		
BUTANE	WEL	600 ppm 1450 mg/m3	750 ppm 1810 mg/m3	
BUTYL ACETATE -norm	WEL	150 ppm 724 mg/m3	200 ppm 966 mg/m3	
CUMENE	WEL	25 ppm(Sk) 125 Mg/m3(Sk)	50 ppm (Sk) 1250 mg/m3(Sk)	
HEPTANE	WEL	500 ppm		
ISOBUTANE		Asphyxiating	Asphyxiating	
NAPHTHA (PETROLEUM) HYDROTREATED LIGHT	OES	1200 mg/m3		
NAPHTHA (PETROLEUM) HYDRODESULFURIZED HEAVY	OES	600 mg/m3		
PROPANE	Asphyxiating	Asphyxiating		
XYLENE	WEL	50 ppm(Sk) 220 Mg/m3(Sk)	100 Ppm(Sk) 441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol		
COLOUR	Clear		
ODOUR	of solvents		
SOLUBILITY	Insoluble in water		
FLASH POINT (°C)	-40	AUTO IGNITION TEMPERATURE (°C)	215
FLAMMABILITY LIMIT - LOWER(%)	1	FLAMMABILITY LIMIT - UPPER(%)	9.5

10. STABILITY AND REACTIVITY

STABILITY

Highly volatile.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

11. TOXICOLOGICAL INFORMATION

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

HEALTH WARNINGS

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Arrhythmia, (deviation from normal heart beat).

ROUTE OF ENTRY

Inhalation. Skin absorption.

TARGET ORGANS

Central nervous system. Respiratory system, lungs.

MEDICAL SYMPTOMS

Narcotic effect. Vapours may cause drowsiness and dizziness.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Do not allow to enter drains, sewers or watercourses.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



UK ROAD CLASS	2		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	N/A
ADR CLASS NO.	2	ADR CLASS	Class 2: Gases
ADR PACK GROUP	N/A	ADR LABEL NO.	2.1
CEPIC TEC(R) NO.	20G5F	RID CLASS NO.	2
RID PACK GROUP	N/A	UN NO. SEA	1950
IMDG CLASS	2	EMS	F-D, S-U
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1950	AIR CLASS	2
AIR SUB CLASS	2.1	AIR PACK GR.	N/A

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15. REGULATORY INFORMATION

LABELLING



Irritant



Extremely Flammable



Dangerous for the environment

RISK PHRASES

R12	Extremely flammable.
R38	Irritating to skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2	Keep out of the reach of children
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S24/25	Avoid contact with skin and eyes.
S29	Do not empty into drains.
S51	Use only in well-ventilated areas.
U2	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
U3	Do not spray on a naked flame or any incandescent material.

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

16. OTHER INFORMATION

REVISION DATE	22/06/2010
REV. NO./REPL. SDS GENERATED	3

RISK PHRASES IN FULL

R12	Extremely flammable
R10	Flammable
R20/21	Harmful by inhalation and in contact with skin
R20	Harmful by inhalation
R65	Harmful: may cause lung damage if swallowed
R11	Highly flammable
R36/37/38	Irritating to eyes, respiratory system and skin
R37	Irritating to respiratory system
R38	Irritating to skin
R66	Repeated exposure may cause skin dryness or cracking
R51/53	Toxic to aquatic organisms, may cause long term adverse effects in aquatic environment
R67	Vapours may cause drowsiness and dizziness
R50/53	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.